

SIAS Online 3.x Features

Main Modules:

1. **Online Application and Admission Management**
2. **Online Pre-Enlistment and Automatic Promotion**
3. **Class Scheduling Wizard**
4. **Online Enrollment and Auto-Advising**
5. **Assessment, Discounts and Scholarships (UNIFAST support)**
6. **Fully Integrated Learning Management System (Embedded)**
7. **Online Class Record and Grading System**
8. **Automatic Curriculum Evaluation**
9. **Teachers Evaluation**
10. **Centralized Clearance System**
11. **Class Attendance**
12. **Gate Entry Monitoring using Turnstiles**
13. **Online Parent Access**
14. **Visitor Management System**
15. **Online Biometric Attendance**
16. **Online Payroll System**
17. **Information Kiosk and Queuing System**
18. **SMS Notifications / Broadcast**

Technologies Used:

1. Online / Browser-based / Cloud
2. Mobile Handheld Device 100% compatibility
3. Visual Studio 2019 v16.11.x
4. C#.NET / Microsoft .NET Framework 4.8
5. Microsoft ASP.NET Web API 2.2
6. MariaDB 10.6.x Database Server
7. Microsoft TypeScript 4.3
8. QooxDoo Javascript Framework 7.5.0
9. Qx-Typed by jbaron
10. Javascript Obfuscator 2.47
11. PDFmake 0.1.64
12. ExcelJS 1.6.2

General Features:

1. **AUTOMATIC MIGRATION OF OLD DATA FOR OLD CUSTOMERS:** Upgrade the old SIAS Desktop 2.x data to SIAS Online 3.x in less than One (1) hour.
2. **VERY ACTIVE DEVELOPMENT:** SIAS Online 3.x is the ONLY school system in the Philippines which provides public Release Notes and screenshots of new updates, changes, and bug fixes in website (digisoftph.com) and Facebook (DigiSoftPh).
3. **DOWNLOADABLE:** SIAS Online 3.x is the ONLY school system in the Philippines where new updates are downloadable from website (digisoftph.com)
4. **UPGRADABLE-BY-DESIGN:** SIAS Online 3.x is the ONLY school system in the Philippines with Automated Upgrade Modules where old systems 2.x (2003+) installed **15+** years ago can be upgraded to latest online version in a few minutes.
5. **MOBILE APP READY:** SIAS Online 3.x is the ONLY school system in the Philippines where ALL functions work with Mobile browsers right away without zooming. No need to download from Google Play or Apple Store because the Mobile browser automatically downloads the latest version when there is an update.
6. **100% CLIENT-SIDE UI TECHNOLOGY:** SIAS Online 3.x is the ONLY school system in the Philippines which maximizes the power of the client browser and minimizes server load to efficiently serve thousands of students, teachers, parents, admin and other users. The UI is also the FASTEST in the Philippines – **NO REFRESH, NO RELOAD.**
7. **NOT PROGRAMMER DEPENDENT:** SIAS Online 3.x is the ONLY school system in the Philippines that does not require schools to hire programmers because everything is USER-DEFINED or USER-CONFIGURABLE, ADAPTABLE and FLEXIBLE.
8. Modern, interactive and consistent UI & **MULTIPLE** windows in one page
9. All requests sent to the server are **Authenticated** and **ENCRYPTED even without SSL (https)**. This ensures that the system protects itself from hacking.
10. Javascript code is minimized and **OBFUSCATED** to prevent debugging or reverse engineering. Another layer of protection from hacking.
11. All reports (**PDF** and **Excel**) are 100% generated by the client browser (**0% SERVER LOAD**)
12. Automatic gzip compression for faster retrieval of both static and dynamic data
13. Browser automatically downloads the latest version of the application
14. Client schools can securely download 100% of the databases using any device including Mobile devices (protected by 256-bit AES encryption)
15. Automatically checks and repairs corrupted table without human intervention
16. Ability to search or filter for specific Account in Activity Log
17. Integrated Caching technology using Microsoft FASTER.Core for faster data access

Online Admission

1. Integrated Online Admission (no re-encoding unlike using Google Forms). All data are automatically transferred to the Student Profile when the accounts are approved/passed.
2. Admission applicants input required data as well as preferred and secondary course
3. Admission applicants are given a system generated Control No. where they can check for approval for exam schedule, examination results, and system generated ID number and initial Password.
4. Admission applicants are required to check/uncheck from the list of admission requirements for **Freshman and Transferees**
5. Application for Admission entries are automatically disabled when already acted by Admission Officer (approved, disapproved or pending)
6. When an admission requirement is checked, the system will show an **UPLOAD** button where students upload these documents right away
7. Admission Officers can **PREVIEW** the uploaded documents anytime anywhere.
8. Admission Officers can approve, disapprove or reject applications for Entrance Examination
9. Admission Officers input of exam score where the system detects if student passed the Preferred course, if failed will check if student passed the Secondary course
10. Automatic creation of new student accounts for those who passed
11. Automatic generation of new ID Nos (using a pre-defined ID No. format) and Initial Password for newly created accounts
12. Uploaded document with code "PHOTO" will automatically be saved as student photo for Official Transcript of Records, Information Kiosk, Entry Monitoring System, Point of Sale, etc.
13. Students can access complete their own personal data (Student Profile) using their ID number and password.

Online Pre-Enlistment

1. Students are automatically presented with ready-to-enroll subjects
2. Automatic computation of the curriculum year level of student
3. Automatic year-level promotion and pre-enlistment of students
4. Pre-enlistment automatically detects if the student is a candidate for graduation based on his curriculum
5. Pre-enlistment automatically detects if the student is finished all subjects in his curriculum
6. Allows Pre-enlistment of both Regular and **Irregular** students
7. Ability to enable/disable Student Access based on Pre-Enlistment Schedule

Online Enrollment:

1. Support for Multi-Campus single database
2. User-defined schedules for Enrollment of Regular, Irregular, Cross-Enroll and Extension
3. Automatic detection of block or best section for student (One click “**Auto**” enrollment)
4. Interactive selection of schedule of classes for both Admin and Students
5. Automatic detection of conflict in schedule as well as full or closed classes
6. Automatic detection of unfinished **pre-requisites**
7. Automatic checking of pre-requisites’ **equivalents**
8. Check pre-requisite of manually Selected subject
9. Integration with Scheduling Wizard which supports automatic color coded visual detection of conflict-free schedules for easy selection of desired schedules
10. Support for classes with multiple lecture and laboratory schedules
11. A module for changing Enrollment Data after enrollment is encoded with Activity Log
12. Add/Edit Classes: A button "Copy To" to copy all subjects from the current section to another
13. Support for expiration of incomplete grades
14. Support for Student initiated online request for Adding/Dropping of subjects
15. Online approval/disapproval of requested Adding/Dropping of subjects by Deans
16. Easily transfer students from one section to another
17. Support for User Privilege who can Override Full or Conflict of Schedules
18. Support for the unique management of MAPEH subjects: 1) Merged Subjects (One teacher teaches all subjects) and 2) Averaged Subjects (Different teacher can teach any subject)
19. Generation of Enrollment List which supports for filters by Level, Department, Course, Section, Year, Status, Validation, Cancellation, Ordering, etc.
20. Generates WebMail Accounts List for easy generation of students e-mail accounts
21. Generates Advise to Start Classes with filter on Dept, Section, Inst and Subject
22. Send SMS broadcast to currently enrolled students where recipients can be filtered by Parents, Guardian, Sponsor, Students or All

Online Assessment and Accounts:

1. User-defined fees – not programmer dependent.
2. User-defined assessment computation – not programmer dependent.
3. User-defined downpayment options – not programmer dependent.
4. Automatic computation of assessment of enrolled subjects
5. Automatic computation of adding and dropping charges
6. Automatic computation of late enrollment charges (fixed or per day)
7. Support for individual student assessment override
8. Support for laboratory and other fees attached to subjects
9. Added parent access (view) to student assessment and accounts

10. Added administrator access (view) to student's statement of accounts
11. Administrators, students and parents can check Amount Due
12. Integration with Online Payment gateway DragonPay.ph for automatic and real-time updating of student ledger
13. User-defined **note** which appears at bottom of assessment report
14. Admin can Enable/Disable student access to PDF, COE and COR buttons
15. Generates reports: Assessment report (PDF button), Certificate of Registration (COR button) and Certificate of Enrollment (COE button)
16. Copy all assessment of fees from one period to another
17. Express Payment: A module where Student can upload image of online payment
18. Express Payment: A module where Cashier can upload image of Official Receipt
19. Generates reports: Summary of Accounts and Statement of Accounts Listing
20. Generates reports: Account Receivables (Enrollment), Masterlist of Receivables and Aging of Receivables

Online Discounts and Scholarships:

1. User-defined discounts and scholarship computation – not programmer dependent
2. Support for single/multiple discounts per student
3. Support for fixed amount (availed or paid by student)
4. Support for maximum tuition fee units that can be discounted
5. Support for required minimum no. of units enrolled to avail
6. Support for fees which are excluded or different rate is applied
7. Support for automatic validation of enrollment
8. Support for Scholarship Exclusions (students who are permanently excluded from scholarship)
9. Encoding of students who are permanently Excluded in the UNIFAST scholarship
10. Support for rates on specific fees instead of fee types
11. Detects enrollment changes to ensure optimal re-computation of assessment
12. Generates report of UNIFAST reports in PDF and Excel like One-row per student or Single-column for All subjects
13. Enrollment List (UNIFAST): Can upload e-signatures of Registrar and Accountant
14. Enrollment List (UNIFAST): Generates one (1) PDF per student Certification of Registration
15. Generates per student Certification of Registration using CHED format for the Filename and uploaded e-Signatures of Registrar and Accountant
16. Generates List of Grantees for any discount/scholarship with filter by Department and Course

Online Grading System:

1. User-defined and programmer-independent grading system setup

2. Entry of RAW scores with automatic computation and transmutation of grades
3. Automatic computation of General Weighted Average based on Curriculum
4. Support for computation of GWA based on user-defined Conversion Tables from **ANY** Grading System to a **SINGLE** Grading System per educational level
5. Entry module for Pre-requisites or Co-requisites of subjects
6. Entry module for Curricula Development
7. Checks if input grade is invalid (displayed in Red color)
8. Curriculum Evaluation with support for **Credited** and **Equivalent** subjects
9. Curriculum Evaluation has checkbox to display the **Unfinished** subjects only in curriculum
10. A module for Crediting of Subjects for both External and Internal subjects
11. Entry of Requests for Change Grade (Instructor Module)
12. Approvals of Request for Change Grade with automatic posting of grade
13. Automatically enables or expires grade entry for any grading term
14. Automatically computes Final Grade based on configured percentages
15. Automatic conversion of final grade to numerical equivalent
16. Caches the Grade Conversion table for optimal retrieval
17. Support for automatic detection of passing remark based on the Category of the subject i.e. the passing grade of regular subjects is 75, but some major subjects is 80 or 85
18. Support both Internal and External (from other schools) conversion of grades
19. Unofficially dropped students will be automatically given a failed grade
20. Class Record - Teachers can define and input quizzes, recitation, project, periodic test etc. where term grade is automatically computed based on user-defined rates
21. Grading Sheet: Display "***" prefix of names of students which are unofficially enrolled
22. Teachers can generate the grade report in PDF ready for printing or download
23. Administrators can upload school logo of grade report
24. Teachers can input/save two (2) signatories (recalled automatically) of the grade report
25. Posting of grades for merged classes of different subjects
26. Module to Delete Unenrolled Grades (subjects with grades but not enrolled) with Activity Log
27. Added parent access (view) to student grades and evaluation
28. Added administrators access (view) to student periodic grades
29. Automatic transmutation of grades
30. Curriculum-based computation of General Weighted Average
31. Added entry of Class Absences with SMS Notification to parents
32. Added reports "Periodic Average Grades" match/ignore curriculum; filter by Period, Level, Course & Year; order by Name, Average Ascending, Average Descending
33. Added report "General Weighted Average" match/ignore curriculum; filter by Period, Level, Course & Year; order by Name, Average Ascending, Average Descending
34. Generates the Periodic Grades Listing report

35. Generates report on Learners Proficiency Levels
36. In the Class List module, the teacher can broadcast SMS Notification to all students in any of his classes with just one send

Class Scheduling Wizard:

1. Assists deans or registrar in developing class schedules **visually**.
2. Detects conflicts in schedule for all instructors, classes and rooms
3. Detects and displays available (**conflict-free**) schedule for both Instructor, classes and room
4. Easy schedule selection by simply clicking pre-computed available schedule
5. Merging of class schedules (single and multiple)
6. Displays other sections with same subject where to possibly merge
7. Supports user-defined or custom days in finding available schedule
8. Ability to ignore conflict in schedule for Section, Instructor and Room
9. Copy all class schedules from one period to another
10. Support for "To Be Assigned" schedules

Online Teacher Evaluation:

1. Questions data bank
2. User-defined rating criteria
3. Design of evaluation items
4. Answers of students are saved real-time
5. Students can review and change his/her answers
6. Evaluation report shows average per item and weighted average per class
7. User-defined categories and sub-categories with % weight
8. Generates summary report per teacher with the comments inputted by students